



# Technical Data Sheet

## 3M™ Scrim Reinforced Adhesive Transfer Tape 97053



[Product Details](#)

### Product Description

3M™ Scrim Reinforced Adhesive Transfer Tape 97053 is a micro scrim reinforced 2.5 mil thick acrylic adhesive transfer tape specifically designed for difficult bonding applications. This product has excellent quick stick for permanent bond applications on plastics, metals, nonwovens, felts, foams including polyurethane, polyether, polyester, neoprene, polyethylene and EPDM.

### Product Features

- The conformability of an unsupported transfer tape that offers the process ability of a double coated tape
- Bonds to a wide variety of materials
- High peel and tack
- Aggressive adhesive with excellent quick stick
- Low VOC and odor
- No primers needed to promote adhesion

### Technical Information Note

The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

### Typical Physical Properties

Attribute Name	Test Method	Value
Total Tape Thickness	ASTM D3652	0.06 mm (2.5 mil)
Liner		50# Silicone
Liner Thickness		0.06 mm (2.5 mil)

### Typical Performance Characteristics

#### 90° Peel Adhesion

Backing: 2 mil Aluminum Foil  
Test Method: ASTM D3330

Dwell Time	Temperature	Substrate	Value
15 min	23 °C (73 °F)	Stainless Steel	8.7 N/cm (80 oz/in) <sup>1</sup>
72 h	23 °C (73 °F)	ABS	8.5 N/cm (78 oz/in) <sup>1</sup>
72 h	23 °C (73 °F)	Polycarbonate (PC)	11.4 N/cm (105 oz/in) <sup>1</sup>
72 h	23 °C (73 °F)	Polypropylene (PP)	11.4 N/cm (104 oz/in) <sup>1</sup>
72 h	23 °C (73 °F)	Stainless Steel	10.3 N/cm (95 oz/in) <sup>1</sup>
72 h	70 °C (158 °F)	Stainless Steel	12 N/cm (110 oz/in) <sup>1</sup>

<sup>1</sup> 300 mm/min (12 in/min)

Attribute Name	Value
Minimum Continuous Temperature	-40 °C (-40 °F)
Short Term Temperature Resistance	93 °C (200 °F) <sup>1</sup>
Long Term Temperature Resistance	79 °C (175 °F) <sup>2</sup>

<sup>1</sup> Short Term (minutes, hour)

<sup>2</sup> Long Term (day, weeks)

## **Storage and Shelf Life**

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 12 months from date of manufacture.

## **Available Sizes**

<b>Attribute Name</b>	<b>Value</b>
Master Size	137 and 152 cm (54 and 60 in)

## **Automotive Disclaimer**

### **Select Automotive Applications:**

This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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